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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 07015913 A  
(43) Date of publication of application: 17.01.1995

(51) Int. Cl H02K 7/116  
F16H 1/16

(21) Application number: 05177213  
(22) Date of filing: 23.06.1993

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**(54) MOTOR FITTED WITH WORM REDUCTION  
GEAR**

**(57) Abstract:**

**PURPOSE:** To enable a worm to be designed without being influenced by the diameter of a motor shaft by forming an engaging part to engage with the end of the motor shaft, integrally at the end of a reduction gear, and forming a worm at the position different from the engaging part with the motor shaft.

**CONSTITUTION:** The cylindrical tip 24b of the motor shaft 24 is press-fitted in the engaging recess 34 being made integrally at the end on middle bearing 32 side of a speed reduction shaft. This engagement position is within the range D of the middle bearing 32 of the

speed reduction shaft, being different from the range E of a worm 31. Hereby, the diameter G of the tooth bottom 31a of the worm 31 can be designed regardless of the diameter F of the motor shaft 24. Moreover, the axis of the speed reduction shaft can be maintained easily at rotation by forming a top bearing 33 and a middle bearing 32 integrally at both ends in axial direction of the worm 31.

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